

2005 Award Winner



10th Annual Awards

Best 60 to 69 ppm Monochrome Office MFP

Toshiba e-STUDIO600



BERTL has awarded a "BERTL's Best" in the category of Best 60 to 69 ppm Monochrome Office MFP to the Toshiba e-STUDIO600 which caters to the diverse needs of a departmental environment by offering excellent image quality plus a rich feature set that can be fully utilized and personalized by Toshiba's user-specific template technology.

In a field of many competitors for general office use, the Toshiba e-STUDIO600 stands out with particular strengths in several areas:

A well-implemented functional template system through which users can easily program their own commonly-used settings and functions and repeatedly access these settings as needed. For example, one user may regularly scan

at a certain resolution and send those scans to a particular set of email addresses. Another user may copy using specific image quality settings and produce hardcopy sets with certain finishing options. With Toshiba's template system, each of these users can save these and other parameters in their own templates for future use rather than have to rebuild the jobs each time they visit the device, or search through a general job store.

The Toshiba e-STUDIO600's well-designed control panel interface means that the system can be used easily by a wide range of people from temporary employees to executives. The interface also makes it easy to use Internet-related functions, as well as locate and manage documents that are stored on the system.

Meanwhile, the device's versatile paper sourcing options are valuable for both general office and vertical market applications. Standard configuration varies depending on geographic location with some regions including four paper cassettes (500 sheets each), while others include two 500-sheet cassettes and a large capacity tray (2 x 1,250 sheets - A4), an automatic duplexing unit (Stackless ADU), 100-sheet Stack Feed Bypass, and 100-sheet RADF. A large-

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capacity (4,000-sheet) feeder is an available option in some regions.

Versatile document production and finishing options are of important significance to any departmental device that is to be shared among a wide range of users. The e-STUDIO600's options include multi-position stapling and saddle-stitch finishing, a hole punch unit, and post-process inserter unit.

As buyers look to utilize MFPs as on-ramps between the hard copy and soft copy world, the Toshiba e-STUDIO600 provides easy integration with third-party hardware and software using its new alliance with eCopy's ScanStation.

Other features that help set the e-STUDIO600 apart from the crowd include next-generation e-BRIDGE single-board architecture, very good resolution, and numerous security features that are becoming especially important considering new legislation.

While single-board designs are known to improve serviceability and reliability, Toshiba's latest e-BRIDGE single-board technology uses a faster, IBM PowerPC Processor running at 600 MHz — in combination with a 64-bit/66 MHz system bus (doubling the throughput of previous Toshiba implementations) to process jobs more quickly. A single e-BRIDGE board handles copy, print, scan, fax, networking (Ethernet 10/100), and other functions.

Instead of adding function boards as is done by some competitors, additional functionality is built right into the e-BRIDGE board; this functionality is 'awakened' with USB-connected, key-chain-style 'enablers.' Enablers can be purchased individually to awaken addi-

tional scanning, printing, and data protection functions. The enabler scheme carries with it distinct advantages. For example, a technician call is not required to install software, add boards, or change jumpers. Secondly, enablers can be used on separate machines of the same model, eliminating the need for multiple enablers for multiple machines in high-production operations.

Toshiba implemented several changes to improve images (with resolution of up to 2400 x 600) while retaining high relative speeds for Segments 4 and 5. The galvanic mirror speed has been increased and the process unit has been slowed down compared to previous models. Toner size has been reduced from 10.3 to 8.5 microns while developer is down from 68 to 42 microns. An 8-bit scanner has replaced the previous model's single-bit version. Lastly, a new dual-speed paper handling system slows paper down through the process unit while increasing its speed elsewhere in the path. All of this adds up to make a machine that does well with text and line art while not sacrificing halftone image quality.

Available wireless modules further increase the versatility of the system. A wireless LAN module creates a Wi-Fi printing 'hot spot' in which users with 802.11b/g-capable notebook PCs, for example, can easily print without connecting to a hardwired network. The e-STUDIO600 also supports Bluetooth communications through an add-on module, enabling walk-up users to print from their Bluetooth-capable PDAs, for instance.

Toshiba e-STUDIO security functions



Long-life toner supplies can be changed without disrupting print runs.

begin with 1,000 department codes, each having 6-digit alphanumeric passwords; and 10,000 role-based user codes, each with 10-digit alphanumeric passwords (set by the Administrator). Through these codes, machine functionality (e.g., permission to copy or print but not to scan) can be customized at both departmental and user levels. SMTP and authentication features can prevent the sending of documents without authorization — especially useful for send-to-email users.

The Disk Data Overwrite option, which installs inside the chassis for better security and ensures erasure of data previously stored on the hard drive. A scrambler board option encrypts data (to 128 bits) as it is written to the system's hard drive, then decrypts the data as it is written to the laser imaging unit. The board's encryption code is sealed and known only to the user; not even the technician or factory knows the code.

The Toshiba e-STUDIO600 leaves few holes for the competition to pick at, and delivers its advanced feature set in a user-friendly format.

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Spotlight On Toshiba

Toshiba's earliest history is rooted in two companies. In 1875, Tanaka Engineering Works was founded by Hisashige Tanaka, a well-known inventor who had previously built mechanical dolls and a perpetual clock. Under the company name Shibaura Engineering Works, Mr. Tanaka's company became one of Japan's largest manufacturers of heavy electrical apparatus.

Meanwhile, Hakunetsu-sha & Co., Ltd., was established as the first Japanese plant manufacturing electric incandescent lamps. In 1899, the company was renamed Tokyo Electric Co. and had diversified into a manufactur-

er of consumer products. In 1939, Shibaura Engineering Works and Tokyo Electric Co. merged and the name "Toshiba" was created as a blend of both company's names.

Today Toshiba is one of the world's largest integrated manufacturers of electric and electronic equipment, employing over 170,000 people worldwide. The company currently has 364 consolidated subsidiaries worldwide.

One of Toshiba's most notable accomplishments was achieved in 2000, when Toshiba became the first manufacturer to win all five BTA Channel Choice

Awards. The company is involved in more than 500 major technologies, specializing in information and communication equipment and systems, electronic components and materials, and power systems, industrial equipment and consumer products.

Toshiba's commitment to quality is reflected in its corporate mission statement: "We, the Toshiba Group Companies, based on our total commitment to people and to the future, are determined to create a higher quality of life for all people, and do our part to help ensure that progress continues within the world community."

BERTL's Best

Recognizing the Best in Digital Imaging Technology and Innovation

For the 10th consecutive year, BERTL, Inc. presents BERTL's Best: the best devices and software in the digital imaging marketplace.

BERTL's Best award winners are selected after rigorous analysis of the hundreds of digital imaging devices, software, and management utilities in the world-wide marketplace.

BERTL's analysts review current product lines and new product introductions to identify the select group of devices and software that stand apart from the others.

BERTL's Best covers the entire digital imaging and document management arena:

- Executive Office MFPs
- General Office Monochrome MFPs
- Back Office Production Devices
- Wide Format Devices
- Digital Duplicators
- General Office Color MFPs
- Back Office Production Color Devices
- Document Scanners
- Software and Utilities

Plus, BERTL's Best recognizes products for cost-efficiency and innovation.

While print or copy speeds are important, it is the feature set, functionality, performance, and overall business process value that are the key considerations in judging which product is "BERTL's Best." The important question: "How well does this product work in a real-world business setting?"

BERTL combines its wide-ranging knowledge of the competitive landscape and contact with buyers about their product and supplier experiences to identify worthy products. BERTL analyzes network management utilities, concurrency and contention, print and copy productivity, image quality, return on investment, competitive advantage, accessibility, design and build quality, standard functions, modularity of design and upgrade path, installation, and more.

BERTL is 100 percent independent. It receives no funding from the industry and all product evaluations and reports are published at BERTL's own expense for its subscribers.

BERTL publishes the world's largest library of business competitive intelligence for the digital imaging market at www.BERTL.com